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EAST CENTRAL JR. COLLEGE

DECATUR, MISSISSIPPI



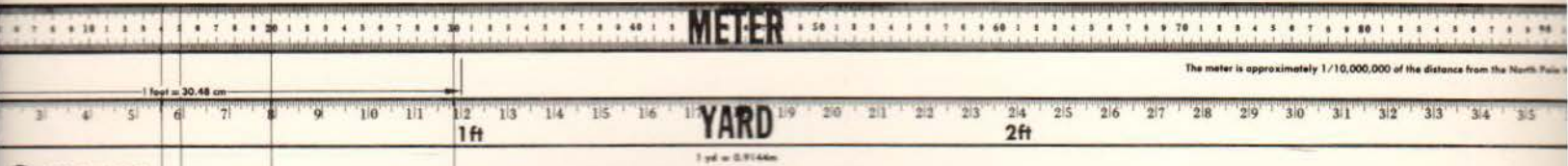
Home Of The
WARRIORS

**SERVING Leake, Neshoba,
Newton, Scott, & Winston Counties**

The Modernized Metric System

The International System of Units (SI) and its relationship to U.S. customary units

The meter has been a legal unit of length in the U.S. since 1866. In 1893 it was made the fundamental length standard.



THE International System of Units—officially abbreviated SI—is a modernized version of the metric system. It was established by international agreement to provide a logical and interconnected framework for all measurements in science, industry, and commerce. SI is built upon a foundation of base units and their definitions, which appear on this chart. All other SI units are

derived from these base units. Multiples and submultiples are expressed in a decimal system. Use of metric weights and measures was legalized in the United States in 1866, and our customary units of weights and measures are defined in terms of the meter and the kilogram. The legal units for electricity and illumination in the United States are SI units.

The comparative dimensions of the meter and the yard, the liter and the gallon, and the kilogram and the pound.



COMMON EQUIVALENTS

Approximate Common Equivalents

1 inch	= 25 millimeters	1 millimeter	= 0.04 inch
1 foot	= 0.3 meter	1 meter	= 3.3 feet
1 yard	= 0.9 meter	1 meter	= 1.1 yards
1 mile	= 1.6 kilometers	1 kilometer	= 0.6 mile
1 square inch	= 6.5 sq centimeters	1 sq centimeter	= 0.16 square inch
1 square foot	= 0.09 square meter	1 square meter	= 11 square feet
1 square yard	= 0.8 square meter	1 square meter	= 1.2 square yards
1 acre	= 0.4 hectare †	1 hectare †	= 2.5 acres
1 cubic inch	= 16 cu centimeters	1 cu centimeter	= 0.06 cubic inch
1 cubic foot	= 0.03 cubic meter	1 cubic meter	= 35 cubic feet
1 cubic yard	= 0.8 cubic meter	1 cubic meter	= 1.3 cubic yards
1 quart (lq)	= 1 liter †	1 liter †	= 1 quart (lq)
1 gallon	= 0.004 cubic meter	1 cubic meter	= 250 gallons
1 ounce (avdp)	= 28 grams	1 gram	= 0.035 ounces
1 pound (avdp)	= 0.45 kilogram	1 kilogram	= 2.2 pounds (avdp)
1 horsepower	= 0.75 kilowatt	1 kilowatt	= 1.3 horsepower

† common term not used in SI

NAME Gail Wood

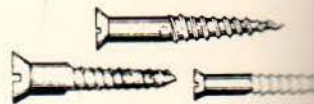
ROOM NO. Library LOCKER NO. _____

REGULAR DAILY SCHEDULE: Those classes which meet daily.

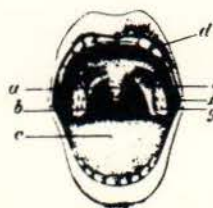
PERIOD	SUBJECT	ROOM NO.	TEACHER



a nickel weighs 5 grams



Screws are about 2-5 mm in diameter



An average, wide open mouth is 7 centimetres across.

A fat cat weighs about 3 kilograms



Thoroughbred horses run 70-80 km/h

your bicycle weighs about 14 kg

PRONOUNCIATION KEY

decigram	('des-i-gram)
centigram	('sent-i-gram)
milligram	('mil-i-gram)
kiloliter	('kil-o-lit-er)
hectoliter	('hek-to-lit-er)
decaliter	('dek-a-lit-er)
liter	('lit-er)
deciliter	('des-i-lit-er)
centiliter	('sent-i-lit-er)
milliliter	('mil-i-lit-er)
hectare	('hek-tar)
kilometer	(kil-'om-et-er or 'kil-o-mêt-er)
hectometer	('hek-to-mêt-er, hek-'tom-et-er)
decameter	('dek-a-mêt-er)
meter	('mêt-er)
decimeter	('des-i-mêt-er)
centimeter	('sent-i-mêt-er)
millimeter	('mil-i-mêt-er)
kilogram	('ki-lo-gram)
hectogram	('hek-to-gram)
decagram	('dek-a-gram)
gram	(gram)

CENTIGRADE and FAHRENHEIT SCALE

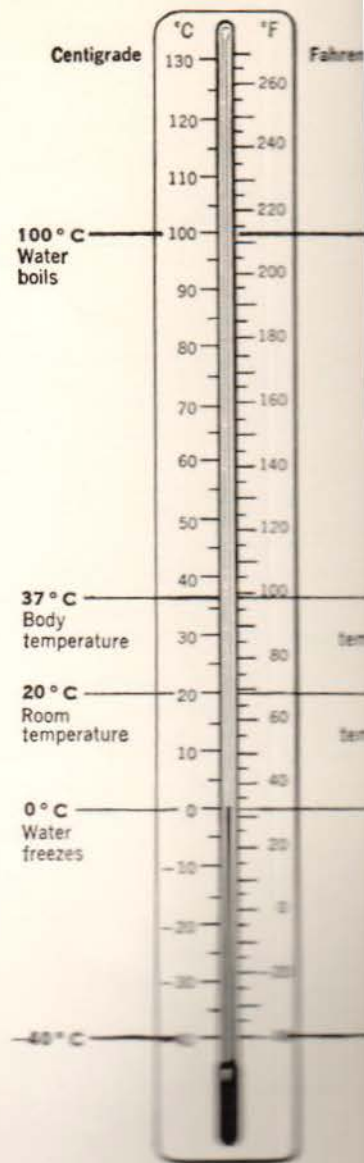
TEMPERATURE CONVERSIONS

$$\text{Temp. F} + 40 = 1.8 (\text{Temp. C} + 40)$$

$$\text{Temp. C} = (\text{Temp. F} - 32) / 1.8$$

$$\text{Temp. F} = 1.8 (\text{Temp. C}) + 32$$

$$\text{Temp. K} = \text{Temp. C} + 273.15$$



PREFIXES FOR MULTIPLES AND SUB-MULTIPLES OF SI UNITS

Prefix and symbol	Factor by which the unit is multiplied
tera, T	$10^{12} = 1\,000\,000\,000\,000$
giga, G	$10^9 = 1\,000\,000\,000$
mega, M	$10^6 = 1\,000\,000$
kilo, k	$10^3 = 1\,000$
hecto*, h	$10^2 = 100$
deca*, da	$10^1 = 10$
deci*, d	$10^{-1} = 0.1$
centi*, c	$10^{-2} = 0.01$
milli, m	$10^{-3} = 0.001$
micro, μ	$10^{-6} = 0.000\,001$
nano, n	$10^{-9} = 0.000\,000\,001$
pico, p	$10^{-12} = 0.000\,000\,000\,001$
femto, f	$10^{-15} = 0.000\,000\,000\,000\,001$
atto, a	$10^{-18} = 0.000\,000\,000\,000\,000\,001$

CONVERSIONS

Conversions Accurate to Parts Per Million



inches x 25.4*
 feet x 0.3048*
 yards x 0.9144*
 miles x 1.609 34
 square inches x 6.4516*
 square feet x 0.092 903 0
 square yards x 0.836 127
 acres x 0.404 686
 cubic inches x 16.3871
 cubic feet x 0.028 316 8
 cubic yards x 0.764 555
 quarts (lq) x 0.946 353

=millimeters
 =meters
 =meters
 =kilometers
 =sq centimeters
 =square meters
 =square meters
 =hectares
 =cu centimeters
 =cubic meters
 =cubic meters
 =liters

millimeters x 0.039 370 1
 meters x 3.280 84
 meters x 1.093 61
 kilometers x 0.621 371
 sq centimeters x 0.155 000
 square meters x 10.7639
 square meters x 1.195 99
 hectares x 2.471 05
 cu centimeters x 0.061 023 7
 cubic meters x 35.3147
 cubic meters x 1.307 95
 liters x 1.056 69

=inches
 =feet
 =yards
 =miles
 =square inches
 =square feet
 =square yards
 =acres
 =cubic inches
 =cubic feet
 =cubic yards
 =quarts (lq)



Curriculums Offered

University Parallel Programs

Agriculture
Business Administration
Business Education
Elementary Education
Home Economics
Industrial Education
Liberal Arts
Music
Physical Education
Pre-Dental
Pre-Engineering
Pre-Law
Pre-Medical
Pre-Nursing
Pre-Optometry
Pre-Pharmacy
Pre-Veterinary
Secondary Education

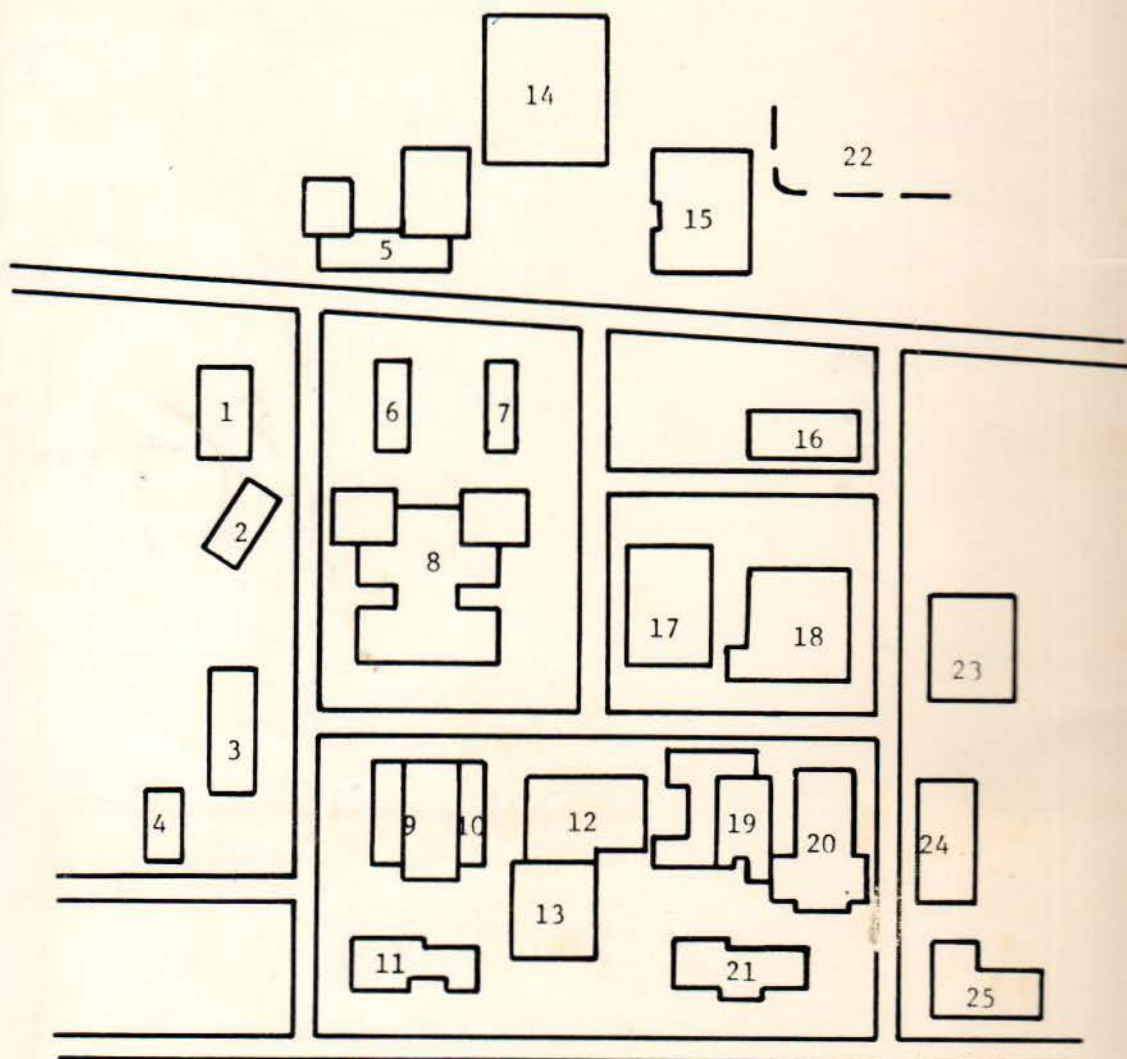
Technical Programs

Data Processing
Drafting
Intensive Business
Secretarial Science

Vocational Programs

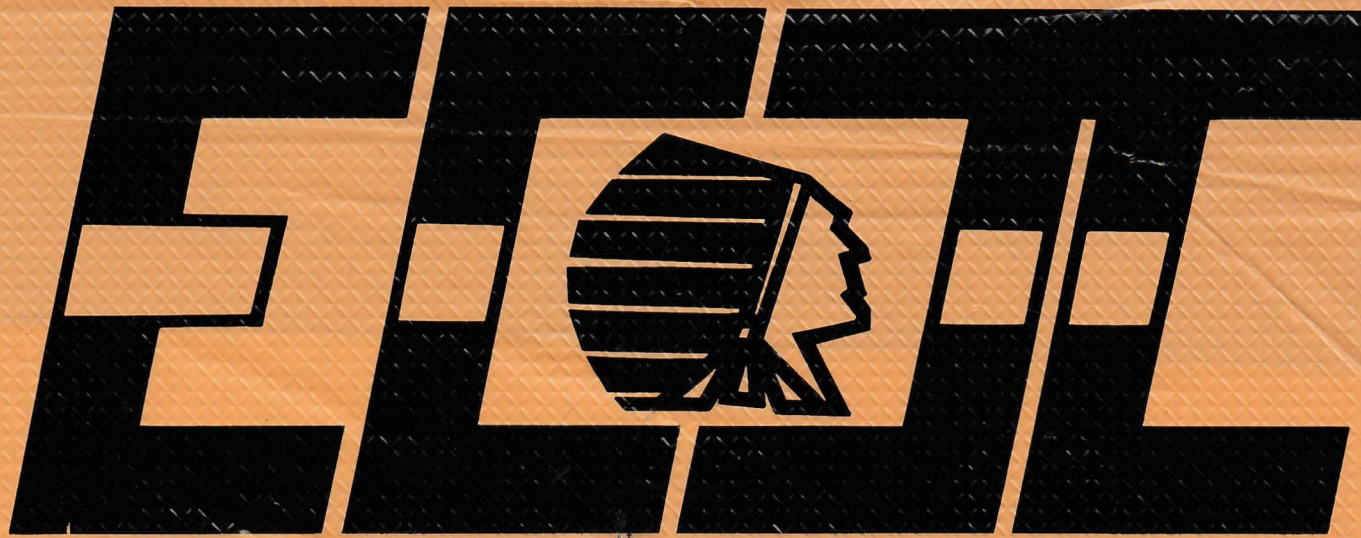
Auto Mechanics
Body and Fender
Cosmetology
Electricity
Machine Shop
Radio and TV
Refrigeration and
Air-Conditioning
Welding

ECJC



MAP KEY

- | | | |
|------------------------|----------------------------|----------------------|
| 1 Leake Apartments | 9 Recreation Center | 17 Burton Library |
| 2 White Apartments | 10 Student Center | 18 Fine Arts Center |
| 3 Winston Dormitory | 11 Cross Science Bldg | 19 Cafeteria |
| 4 Todd Dormitory | 12 Newton Hall Aca. Bldg | 20 Jackson Dormitory |
| 5 Agriculture Building | 13 Huff Auditorium | 21 Administration |
| 6 Neshoba Dormitory | 14 Warrior Field | 22 Baseball Field |
| 7 Scott Dormitory | 15 Physical Education Bldg | 23 Tennis Courts |
| 8 Vocational Education | 16 Physical Plant | 24 Newsome Dormitory |
| | | 25 President's Home |



WITH YOU IN MIND

These tablets, notebooks and spelling pads were sold in the EC Boostore in the 1930's and 1940's and were used by students in the Newton County Agricultural High School. The "Blue Books" were also used by College students as late as the 1950's.

MEM 176 30 1A

spelling tablet

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ECJC

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	Count	Color	Item No.
1 Subject	80 Sheets	Wedgewood	31-661
	•	Rose	31-662
	•	Gray	31-663
	•	Asst'd	31-664
2 Subject	100 Sheets	Wedgewood	31-771
	•	Rose	31-772
	•	Gray	31-773
	•	Asst'd	31-774
3 Subject	120 Sheets	Wedgewood	31-881
	•	Rose	31-882
	•	Gray	31-883
	•	Asst'd	31-884



31663 ONE SUBJECT WIREBOUND

